

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L3	32	((electrically electronically electrical electric electronic) adj (commutated commutating) (switched\$reluctance) brushless) near3 motor) and ((adjust adjustment alter altering adjusting alterationadjusted altered changed change changing changed calibrate calibration calibrating) with (sensor transducer detector) with (increment output data) with rotor with (revolution rotation cycling revolving))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/10 13:23
S1	2	de-10118072-\$.did.	EPO; DERWENT	OR	OFF	2004/11/01 14:17
S2	0	becerra-roger.in. and ((commutat\$3 or brush\$less) near3 motor) and (((reference near3 (angle or position)) or (zero near3 index)) with ((increment\$3 or index\$3 or count\$3) with commutat\$3 with count\$3))	US-PGPUB; USPAT	OR	ON	2004/11/01 14:23
S3	0	becerra-roger.in. and ((commutat\$3 or brush\$less) near3 motor) and ((reference near3 (angle or position)) or (zero near3 index)) and ((increment\$3 or index\$3 or count\$3) with commutat\$3) and phase	US-PGPUB; USPAT	OR	ON	2004/11/01 14:23
S4	0	becerra-roger.in. and ((commutat\$3 or brush\$less) near3 motor) and phase	US-PGPUB; USPAT	OR	ON	2004/11/01 14:23
S5	0	becerra-roger.in. and ((commutat\$3 or brush\$less) near3 motor)	US-PGPUB; USPAT	OR	ON	2004/11/01 14:23
S6	14	becerra.in. and ((commutat\$3 or brush\$less) near3 motor)	US-PGPUB; USPAT	OR	ON	2004/11/01 14:23
S7	0	becerra.in. and ((commutat\$3 or brush\$less) near3 motor) and (((reference near3 (angle or position)) or (zero near3 index)) with ((increment\$3 or index\$3 or count\$3) with commutat\$3 with count\$3))	US-PGPUB; USPAT	OR	ON	2004/11/01 14:23
S8	0	becerra.in. and ((commutat\$3 or brush\$less) near3 motor) and ((reference near3 (angle or position)) or (zero near3 index)) and ((increment\$3 or index\$3 or count\$3) with commutat\$3) and phase	US-PGPUB; USPAT	OR	ON	2004/11/01 14:23
S9	10	becerra.in. and ((commutat\$3 or brush\$less) near3 motor) and phase	US-PGPUB; USPAT	OR	ON	2004/11/01 14:24
S10	1	"6400109".pn.	USPAT	OR	OFF	2005/01/27 09:36
S11	4433	electr\$8 near3 commutat\$3 near3 motor	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/10/28 12:21
S12	385	318/244.ccls.	US-PGPUB; USPAT	OR	OFF	2004/10/28 07:47

S13	37	341/112.ccls.	US-PGPUB; USPAT	OR	OFF	2004/10/28 07:44
S14	251	341/116.ccls.	US-PGPUB; USPAT	OR	OFF	2004/10/28 07:44
S15	111	341/117.ccls.	US-PGPUB; USPAT	OR	OFF	2004/10/28 07:44
S16	256	702/127.ccls.	US-PGPUB; USPAT	OR	OFF	2004/10/28 07:45
S17	648	702/150.ccls.	US-PGPUB; USPAT	OR	OFF	2004/10/28 07:45
S18	256	702/151.ccls.	US-PGPUB; USPAT	OR	OFF	2004/10/28 07:45
S19	0	702/151.ccls. and 318/244.ccls.	US-PGPUB; USPAT	OR	OFF	2004/10/28 07:45
S20	1	702/151.ccls. and 341/117.ccls.	US-PGPUB; USPAT	OR	OFF	2004/10/28 07:45
S21	2	702/151.ccls. and 341/112.ccls.	US-PGPUB; USPAT	OR	OFF	2004/10/28 07:45
S22	8	702/151.ccls. and 341/116.ccls.	US-PGPUB; USPAT	OR	OFF	2004/10/28 07:46
S23	11	318/244.ccls. and electr\$8 near3 commutat\$3 near3 motor	US-PGPUB; USPAT	OR	ON	2004/10/28 07:47
S24	0	341/112.ccls. and electr\$8 near3 commutat\$3 near3 motor	US-PGPUB; USPAT	OR	ON	2004/10/28 07:47
S25	0	341/117.ccls. and electr\$8 near3 commutat\$3 near3 motor	US-PGPUB; USPAT	OR	ON	2004/10/28 07:47
S26	0	702/127.ccls. and electr\$8 near3 commutat\$3 near3 motor	US-PGPUB; USPAT	OR	ON	2004/10/28 07:47
S27	1	702/150.ccls. and electr\$8 near3 commutat\$3 near3 motor	US-PGPUB; USPAT	OR	ON	2004/10/28 07:48
S28	1	702/151.ccls. and electr\$8 near3 commutat\$3 near3 motor	US-PGPUB; USPAT	OR	ON	2004/10/28 07:49
S29	2	341/116.ccls. and electr\$8 near3 commutat\$3 near3 motor	US-PGPUB; USPAT	OR	ON	2004/10/28 07:49
S30	26184	((electr\$8 near3 commutat\$3) or (brushless near3 electr\$8 near3 commutat\$3) or synchro or synchronous) near3 motor	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/03/09 14:06
S31	807	((electr\$8 near3 commutat\$3) or (brushless near3 electr\$8 near3 commutat\$3) or synchro or synchronous) near3 motor) and ((rotat\$5 or ang\$4 or revol\$8 or axial) near3 (position or location) near3 (sensor or detector or transducer))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/10/28 08:38

S32	11	((electr\$8 near3 commutat\$3) or (brushless near3 electr\$8 near3 commutat\$3) or synchro or synchronous) near3 motor) and ((rotat\$5 or ang\$4 or revol\$8 or axial) near3 (position or location) near3 (sensor or detector or transducer)) and ((correspond\$4 or correlat\$3 or associat\$3 or match\$3) near3 (sensor or detector or transducer) near3 (output or increment or signal or data or information) near3 (rotat\$5 or ang\$4 or revol\$8 or axial) near3 (position or location))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/10/28 08:49
S33	411	702/85.ccls.	US-PGPUB; USPAT	OR	OFF	2004/10/28 08:49
S34	310	702/94.ccls.	US-PGPUB; USPAT	OR	OFF	2004/10/28 08:50
S35	346	702/104.ccls.	US-PGPUB; USPAT	OR	OFF	2004/10/28 08:50
S36	1	702/151.ccls. and 702/85.ccls.	US-PGPUB; USPAT	OR	OFF	2004/10/28 08:50
S37	1	702/151.ccls. and 702/104.ccls.	US-PGPUB; USPAT	OR	OFF	2004/10/28 08:50
S38	20	702/151.ccls. and 702/94.ccls.	US-PGPUB; USPAT	OR	OFF	2004/10/28 08:56
S39	3	("4918443", "5905350", "6246968").pn.	USPAT	OR	OFF	2004/10/28 08:58
S40	1	de-10033561-\$.did.	DERWENT	OR	OFF	2004/10/28 09:09
S41	1	de-10118072-\$.did.	DERWENT	OR	OFF	2004/10/28 09:10
S42	1	de-19812966-\$.did.	DERWENT	OR	OFF	2004/10/28 09:10
S43	1	de-19650908-\$.did.	DERWENT	OR	OFF	2004/10/28 09:11
S44	211	702/152.ccls.	US-PGPUB; USPAT	OR	OFF	2004/10/28 09:53
S45	173	702/153.ccls.	US-PGPUB; USPAT	OR	OFF	2004/10/28 09:54
S46	15	702/151.ccls. and 702/152.ccls.	US-PGPUB; USPAT	OR	OFF	2004/10/28 09:54
S47	11	702/151.ccls. and 702/153.ccls.	US-PGPUB; USPAT	OR	OFF	2004/10/28 09:56
S48	1	((sensor or detector or transducer) near3 (mounted or attached or fixed) near3 (specific\$4 or unique\$2 or particular\$2) near3 (position or location or site) near3 rotor)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/10/28 10:00
S49	731	electronically adj commutated adj motor	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/10/28 12:22

S50	383	(electronically adj commutated adj motor) and rotor and stator	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/10/28 14:35
S51	1	(electronically adj commutated adj motor) and rotor and stator and (((detector or transducer or sensor) near3 (device or apparatus or module or component or mechanism)) near5 ((mounted or attached or fixed or adhered or affixed) near4 (specific or particular or unique) near4 (position or location)))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/10/28 12:27
S52	1	(electronically adj commutated adj motor) and rotor and stator and (((detector or transducer or sensor) near3 (device or apparatus or module or component or mechanism))) and (((mounted or attached or fixed or adhered or affixed) near4 (specific or particular or unique) near4 (position or location)))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/10/28 12:28
S53	1	(electronically adj commutated adj motor) and rotor and stator and ((detector or transducer or sensor) and ((mounted or attached or fixed or adhered or affixed) near4 (specific or particular or unique) near4 (position or location)))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/10/28 12:28
S54	1	(electronically adj commutated adj motor) and rotor and stator and ((detector or transducer or sensor) near4 ((mounted or attached or fixed or adhered or affixed) near4 (specific or particular or unique) near4 (position or location)))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/10/28 12:29
S55	1	(electronically adj commutated adj motor) and rotor and stator and (detector or transducer or sensor) and ((mounted or attached or fixed or adhered or affixed) near4 (specific or particular or unique) near4 (position or location))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/10/28 12:32
S56	2	(determin\$5 near4 (electronically adj commutated adj motor) near4 ((rotati\$4 or ang\$4) near3 (position or location)))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/10/28 12:34
S57	232	(electronically adj commutated adj motor) and rotor and stator and (sensor or detector or transducer)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/10/28 12:37
S58	24	(electronically adj commutated adj motor) and rotor and stator and (sensor or detector or transducer) and ((stor\$3 or cach\$3 or sav\$3) near3 (unit or apparatus or device or appliance or component))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/10/28 13:01

S59	2	(electronically adj commutated adj motor) and ((correlat\$3 or correspond\$4 or associat\$3) near4 ((sensor or detector or transducer) near3 (output or increment)) near4 ((ang\$4 or rota\$6) near3 (position or location or site)))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/10/28 13:04
S60	2	(electronically adj commutated adj motor) and ((correlat\$3 or correspond\$4 or associat\$3) near4 ((sensor or detector or transducer) near3 (output or increment)) near4 ((ang\$4 or rota\$6) near3 (position or location or site))) and (((sensor or detector or transducer) near3 (output or increment)) near3 (recorded or cached or stored or storage or saved or saving or caching or recording)) near4 ((ang\$4 or rota\$6) near3 (position or location or site))near3 (recorded or cached or stored or storage or saved or saving or caching or recording))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/10/28 13:10
S61	2	(electronically adj commutated adj motor) and (((sensor or detector or transducer) near3 (output or increment)) near3 (recorded or cached or stored or storage or saved or saving or caching or recording)) near4 ((ang\$4 or rota\$6) near3 (position or location or site))near3 (recorded or cached or stored or storage or saved or saving or caching or recording))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/10/28 13:10
S62	553	(motor with rotor) and ((angular near4 position) with (increment\$3 or index\$3 or count\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/10/28 15:26
S63	1	702/94.ccls. and (motor with rotor) and ((angular near4 position) with (increment\$3 or index\$3 or count\$3))	US-PGPUB; USPAT	OR	ON	2004/10/28 14:38
S64	2	702/151.ccls. and (motor with rotor) and ((angular near4 position) with (increment\$3 or index\$3 or count\$3))	US-PGPUB; USPAT	OR	ON	2004/10/28 14:39
S65	15	((commutated near3 motor) with rotor) and ((angular near4 position) with (increment\$3 or index\$3 or count\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/10/28 14:39
S66	45	(motor with rotor) and ((angular near4 position) with (increment\$3 or index\$3 or count\$3)) and ((angular near4 position) with (increment\$3 or index\$3 or count\$3)) and (position near4 (sav\$3 or cach\$3 or stor\$3)) and ((increment\$3 or index\$3 or count\$3) near4 (sav\$3 or cach\$3 or stor\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/10/28 14:43

S67	1	(motor with rotor) and ((angular near4 position) with (increment\$3 or index\$3 or count\$3)) and (commutation near3 (computer or controller or calculator)) and (phase near3 (measur\$5 or sens\$3 or detect\$3) near3 (unit or device or apparatus))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/10/28 15:28
S68	6	(motor with rotor) and ((angular near4 position) with (increment\$3 or index\$3 or count\$3)) and (phase near3 (measur\$5 or sens\$3 or detect\$3) near3 (unit or device or apparatus))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/10/28 15:31
S69	3	((commutated near4 motor) with rotor) and (commutat\$3 near3 (computer or calculator or controller or analyzer)) and (phase near3 (measur\$5 or sens\$3 or detect\$3) near3 (unit or device or apparatus))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/10/28 15:33
S70	1	"6501200".pn.	USPAT	OR	OFF	2004/11/01 07:57
S71	15	("3383574"   "4211962"   "4334189"   "4484127"   "4726746"   "4823034"   "5073736"   "5220258"   "5473229"   "5537015"   "5539601"   "5821706"   "5933573"   "6008602"   "6169378").PN.	USPAT	OR	OFF	2004/11/01 08:04
S72	0	"6501200".URPN.	USPAT	OR	OFF	2004/11/01 07:57
S73	0	"6501200".pn. and (((angular or mechanical or physical) near3 position) with (correlat\$3 or correspond\$4) with ((sensor or detector or transducer) near3 (increment or output)))	USPAT	OR	ON	2004/11/01 08:00
S74	0	("3383574"   "4211962"   "4334189"   "4484127"   "4726746"   "4823034"   "5073736"   "5220258"   "5473229"   "5537015"   "5539601"   "5821706"   "5933573"   "6008602"   "6169378").PN. and (((angular or mechanical or physical) near3 position) with (correlat\$3 or correspond\$4) with ((sensor or detector or transducer) near3 (increment or output)))	USPAT	OR	ON	2004/11/01 08:07
S75	0	("3383574"   "4211962"   "4334189"   "4484127"   "4726746"   "4823034"   "5073736"   "5220258"   "5473229"   "5537015"   "5539601"   "5821706"   "5933573"   "6008602"   "6169378").PN. and (((angular or mechanical or physical) near3 position) with match\$3 with ((sensor or detector or transducer) near3 (increment or output)))	USPAT	OR	ON	2004/11/01 08:01

S76	0	("3383574"   "4211962"   "4334189"   "4484127"   "4726746"   "4823034"   "5073736"   "5220258"   "5473229"   "5537015"   "5539601"   "5821706"   "5933573"   "6008602"   "6169378").PN. and (correlat\$3 near5 position near5 increment near5 (sav\$3 or cach\$3 or stor\$3))	USPAT	OR	ON	2004/11/01 08:02
S77	5	("3383574"   "4211962"   "4334189"   "4484127"   "4726746"   "4823034"   "5073736"   "5220258"   "5473229"   "5537015"   "5539601"   "5821706"   "5933573"   "6008602"   "6169378").PN. and (motor near3 position)	USPAT	OR	ON	2004/11/01 08:04
S78	0	("3383574"   "4211962"   "4334189"   "4484127"   "4726746"   "4823034"   "5073736"   "5220258"   "5473229"   "5537015"   "5539601"   "5821706"   "5933573"   "6008602"   "6169378").PN. and (((angular or mechanical or physical) near3 position) with (correlat\$3 or correspond\$4) with ((sensor or detector or transducer) near3 (index\$3 or count\$3)))	USPAT	OR	ON	2004/11/01 08:07
S79	0	((commutat\$3 or brushless) near3 motor) and ((increment\$3 or count\$3 or index\$3) near3 (sensor or transducer or detector) near5 (adjust\$4 or alter\$5 or modif\$7)) and (((angular or mechanical or physical) near3 position) with (correlat\$3 or correspond\$4) with ((sensor or detector or transducer) near3 (index\$3 or count\$3)))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/11/01 08:23
S80	7	((commutat\$3 or brushless) near3 motor) and ((increment\$3 or count\$3 or index\$3) near3 (sensor or transducer or detector) near5 (adjust\$4 or alter\$5 or modif\$7))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/11/01 08:11
S81	7	("3872369"   "3996454"   "4529922"   "5013982"   "5130620"   "5140245"   "5225759").PN.	USPAT	OR	OFF	2004/11/01 08:16
S82	21	"5378976".URPN.	USPAT	OR	OFF	2004/11/01 08:15
S83	9	("4242608"   "4801830"   "4952830"   "4961017"   "5148069"   "5194771"   "5252873"   "5412999"   "5440185").PN.	USPAT	OR	OFF	2004/11/01 08:19
S84	9	"5610457".URPN.	USPAT	OR	OFF	2004/11/01 08:19
S85	0	("3872369"   "3996454"   "4529922"   "5013982"   "5130620"   "5140245"   "5225759").PN. and ((angular near3 position) with (correlat\$3 or match\$3 or correspond\$4) with ((sensor or detector or transducer) near3 (increment\$3 or index\$3 or count\$3 or oputput\$4)))	USPAT	OR	ON	2004/11/01 08:19

S86	0	("4242608"   "4801830"   "4952830"   "4961017"   "5148069"   "5194771"   "5252873"   "5412999"   "5440185").PN. and ((angular near3 position) with (correlat\$3 or match\$3 or correspond\$4) with ((sensor or detector or transducer) near3 (increment\$3 or index\$3 or count\$3 or oputput\$4)))	USPAT	OR	ON	2004/11/01 08:19
S87	0	("4242608"   "4801830"   "4952830"   "4961017"   "5148069"   "5194771"   "5252873"   "5412999"   "5440185").PN. and ((angular near3 position) with (correlat\$3 or match\$3 or correspond\$4) with ((sensor or detector or transducer) near3 (increment\$3 or index\$3 or count\$3 or oputput\$4)))	USPAT	OR	ON	2004/11/01 08:19
S88	0	"5610457".URPN. and ((angular near3 position) with (correlat\$3 or match\$3 or correspond\$4) with ((sensor or detector or transducer) near3 (increment\$3 or index\$3 or count\$3 or oputput\$4)))	USPAT	OR	ON	2004/11/01 08:19
S89	39	((commutat\$3 or brushless) near3 motor) and ((measur\$5 or determin\$5) near3 motor near3 phase) and ((measur\$5 or determin\$5) near3 induc\$4 near3 voltage)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/11/01 08:25
S90	3	((commutat\$3 or brushless) near3 motor) and ((measur\$5 or determin\$5) near3 motor near3 phase) and ((measur\$5 or determin\$5) near3 induc\$4 near3 voltage) and (commutat\$3 near3 (\$computer or \$controller or plu or plc or (programmable near3 logic near3 (unit or controller))))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/11/01 08:29
S91	1	((brushless or commutat\$3) near3 motor) and ((increment or index or count) with (angular near3 position) with (commutat\$3 near3 angle))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/11/01 13:50
S92	1	((brushless or commutat\$3) near3 motor) and (derived near3 angle near3 (proportional or ratio) near4 poles)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/11/01 13:50
S93	0	((brushless or commutat\$3) near3 motor) and (angle near3 (increment or index or count) near4 interpolated)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/11/01 13:52
S94	10	((brushless or commutat\$3) near3 motor) and (angle with (increment or index or count) with interpolat\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/11/01 13:53
S95	1	"5637974".pn.	USPAT	OR	OFF	2005/01/27 09:36



S96	12	("4680518"   "4707650"   "4739240"   "4772839"   "4933620"   "4959596"   "5097190"   "5107195"   "5140243"   "5140244"   "5214365"   "5325026").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/01/27 09:36
S97	21	("5637974").URPN.	USPAT	OR	OFF	2005/01/27 09:37
S98	937	(((((electrically electronically electrical electric electronic) adj commutated) (switched\$reluctance))) near3 motor)	US-PGPUB; USPAT	OR	ON	2005/03/10 07:52
S99	6	(((((electrically electronically electrical electric electronic) adj commutated) (switched\$reluctance))) near3 motor)	USOCR	OR	ON	2005/01/27 09:39
S100	708	(((((electrically electronically electrical electric electronic) adj commutated) (switched\$reluctance))) near3 motor)	EPO; JPO; DERWENT	OR	ON	2005/01/27 09:39
S101	0	(((((electrically electronically electrical electric electronic) adj commutated) (switched\$reluctance))) near3 motor)	IBM_TDB	OR	ON	2005/01/27 09:39
S102	6	(((((electrically electronically electrical electric electronic) adj commutated) (switched\$reluctance))) near3 motor) and (correlate correlated correlating correlation) and ((rotor resolver) near3 (angular rotational) near3 (position location angle site placement increment)) and ((sensor detector transducer) near3 (output increment signal))	US-PGPUB; USPAT	OR	ON	2005/01/27 09:46
S103	0	(((((electrically electronically electrical electric electronic) adj commutated) (switched\$reluctance))) near3 motor) and (correlate correlated correlating correlation) and ((rotor resolver) near3 (angular rotational) near3 (position location angle site placement increment)) and ((sensor detector transducer) near3 (output increment signal))	USOCR	OR	ON	2005/01/27 09:43
S104	1	(((((electrically electronically electrical electric electronic) adj commutated) (switched\$reluctance))) near3 motor) and (correlate correlated correlating correlation) and ((rotor resolver) near3 (angular rotational) near3 (position location angle site placement increment)) and ((sensor detector transducer) near3 (output increment signal))	EPO; JPO; DERWENT	OR	ON	2005/01/27 09:43
S105	672	702/150.ccls.	US-PGPUB; USPAT	OR	OFF	2005/01/27 09:51
S106	263	702/151.ccls.	US-PGPUB; USPAT	OR	OFF	2005/01/27 09:49
S107	42655	g06f015/00.ipc.	EPO; JPO; DERWENT	OR	OFF	2005/01/27 09:50

S108	0	g06f015/00.ipc. and (((electrically electronically electrical electric electronic) adj commutated) (switched\$reluctance)) near3 motor) and (correlate correlated correlating correlation) and ((rotor resolver) near3 (angular rotational) near3 (position location angle site placement increment)) and ((sensor detector transducer) near3 (output increment signal))	EPO; JPO; DERWENT	OR	ON	2005/01/27 09:50
S109	0	702/150.ccls. and (((electrically electronically electrical electric electronic) adj commutated) (switched\$reluctance)) near3 motor) and (correlate correlated correlating correlation) and ((rotor resolver) near3 (angular rotational) near3 (position location angle site placement increment)) and ((sensor detector transducer) near3 (output increment signal))	US-PGPUB; USPAT	OR	ON	2005/01/27 09:51
S110	1	702/151.ccls. and (((electrically electronically electrical electric electronic) adj commutated) (switched\$reluctance)) near3 motor) and (correlate correlated correlating correlation) and ((rotor resolver) near3 (angular rotational) near3 (position location angle site placement increment)) and ((sensor detector transducer) near3 (output increment signal))	US-PGPUB; USPAT	OR	ON	2005/03/09 15:28
S111	6	rauer.in. and (((electrically electronically electrical electric electronic) adj commutated) (switched\$reluctance) brushless) near3 (motor mover engine))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/10 09:38
S112	184	hans.in. and (((electrically electronically electrical electric electronic) adj commutated) (switched\$reluctance) brushless) near3 (motor mover engine))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/10 07:56
S113	2	hans.in. and (((electrically electronically electrical electric electronic) adj commutated) (switched\$reluctance) brushless) near3 (motor mover engine)) and ((record recording save saving store storing storage register registering log logging) with (sensor detector transducer) with (output increment data) with rotor with (revolution cycle revolving rotate rotating rotation rotational cyclic cycling revolve turn turning circle circling))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/10 08:02

S114	22	(((electrically electronically electrical electric electronic) adj commutated) (switched\$reluctance) brushless) near3 (motor mover engine)) and ((record recording save saving store storing storage register registering log logging) with (sensor detector transducer) with (output increment data) with rotor with (revolution cycle revolving rotate rotating rotation rotational cyclic cycling revolve turn turning circle circling))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/10 08:09
S115	120	(((electrically electronically electrical electric electronic) adj commutated) (switched\$reluctance) brushless) near3 (motor mover engine)) and ((adjust adjusting adjustment modifying modify modification alter alteration altering change changing) with ((sensor detector transducer) near3 (position positional site siting placement angle angular location locale locational) near3 (data information output increment)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/10 08:14
S116	4	(((electrically electronically electrical electric electronic) adj commutated) (switched\$reluctance) brushless) near3 (motor mover engine)) and ((adjust adjusting adjustment modifying modify modification alter alteration altering change changing) with ((sensor detector transducer) near3 (position positional site siting placement angle angular location locale locational) near3 (data information output increment))) and ((correlate correlating correlation correlational associate associating associated correlated associative) with (sensor detector transducer) with (data information output increment) with rotor with (position positional site siting placement angle angular location locale locational))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/10 08:56

S117	1	(((electrically electronically electrical electric electronic) adj commutated) (switched\$reluctance) brushless) near3 (motor mover engine)) and ((adjust adjusting adjustment modifying modify modification alter alteration altering change changing) with ((sensor detector transducer) near3 (position positional site siting placement angle angular location locale locational) near3 (data information output increment))) and ((correlate correlating correlation correlational associate associating associated correlated associative) with (sensor detector transducer) with (data information output increment) with rotor with (position positional site siting placement angle angular location locale locational)) and ((sensor detector transducer) near3 (specific specified particular unique) near3 (position location site))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/10 08:48
S118	2	("5637974" "4746859" "6597141").pn. and ((sensor transducer detector) with (specific specifically specified particular unique) with (position location site angle))	USPAT	OR	ON	2005/03/10 08:49
S119	2	(((electrically electronically electrical electric electronic) adj commutated) (switched\$reluctance) brushless) near3 (motor mover engine)) and ((save saving store storing storage log logging register registering registered saved stored) with (correlate correlating correlation correlational associate associating associated correlated associative) with (sensor detector transducer) with (data information output increment) with rotor with (position positional site siting placement angle angular location locale locational))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/10 08:58
S120	8	(((electrically electronically electrical electric electronic) adj commutated) (switched\$reluctance) brushless) near3 (motor mover engine)) and ((save saving store storing storage log logging register registering registered saved stored) same (correlate correlating correlation correlational associate associating associated correlated associative) same ((sensor detector transducer) with (data information output increment)) same (rotor with (position positional site siting placement angle angular location locale locational)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/10 09:13
S121	30	123/339.26.ccls.	US-PGPUB; USPAT	OR	OFF	2005/03/10 09:15
S122	279	318/489.ccls.	US-PGPUB; USPAT	OR	OFF	2005/03/10 09:14

S123	38	341/112.ccls.	US-PGPUB; USPAT	OR	OFF	2005/03/10 09:14
S124	255	341/116.ccls.	US-PGPUB; USPAT	OR	OFF	2005/03/10 09:14
S125	111	341/117.ccls.	US-PGPUB; USPAT	OR	OFF	2005/03/10 09:14
S126	685	702/150.ccls.	US-PGPUB; USPAT	OR	OFF	2005/03/10 09:14
S127	270	702/151.ccls.	US-PGPUB; USPAT	OR	OFF	2005/03/10 09:14
S128	0	123/339.26.ccls. and ((save saving store storing storage log logging register registering registered saved stored) with (correlate correlating correlation correlational associate associating associated correlated associative) with (sensor detector transducer) with (data information output increment) with rotor with (position positional site siting placement angle angular location locale locational))	US-PGPUB; USPAT	OR	ON	2005/03/10 09:24
S129	0	318/489.ccls. and ((save saving store storing storage log logging register registering registered saved stored) with (correlate correlating correlation correlational associate associating associated correlated associative) with (sensor detector transducer) with (data information output increment) with rotor with (position positional site siting placement angle angular location locale locational))	US-PGPUB; USPAT	OR	ON	2005/03/10 09:24
S130	0	341/112.ccls. and ((save saving store storing storage log logging register registering registered saved stored) with (correlate correlating correlation correlational associate associating associated correlated associative) with (sensor detector transducer) with (data information output increment) with rotor with (position positional site siting placement angle angular location locale locational))	US-PGPUB; USPAT	OR	ON	2005/03/10 09:24
S131	0	341/116.ccls. and ((save saving store storing storage log logging register registering registered saved stored) with (correlate correlating correlation correlational associate associating associated correlated associative) with (sensor detector transducer) with (data information output increment) with rotor with (position positional site siting placement angle angular location locale locational))	US-PGPUB; USPAT	OR	ON	2005/03/10 09:24

S132	0	341/117.ccls. and ((save saving store storing storage log logging register registering registered saved stored) with (correlate correlating correlation correlational associate associating associated correlated associative) with (sensor detector transducer) with (data information output increment) with rotor with (position positional site siting placement angle angular location locale locational))	US-PGPUB; USPAT	OR	ON	2005/03/10 09:24
S133	0	702/150.ccls. and ((save saving store storing storage log logging register registering registered saved stored) with (correlate correlating correlation correlational associate associating associated correlated associative) with (sensor detector transducer) with (data information output increment) with rotor with (position positional site siting placement angle angular location locale locational))	US-PGPUB; USPAT	OR	ON	2005/03/10 09:25
S134	1	702/151.ccls. and ((save saving store storing storage log logging register registering registered saved stored) with (correlate correlating correlation correlational associate associating associated correlated associative) with (sensor detector transducer) with (data information output increment) with rotor with (position positional site siting placement angle angular location locale locational))	US-PGPUB; USPAT	OR	ON	2005/03/10 09:25
S135	0	"123"/\$.ccls. and ((save saving store storing storage log logging register registering registered saved stored) with (correlate correlating correlation correlational associate associating associated correlated associative) with (sensor detector transducer) with (data information output increment) with rotor with (position positional site siting placement angle angular location locale locational))	US-PGPUB; USPAT	OR	ON	2005/03/10 09:25
S136	1	"318"/\$.ccls. and ((save saving store storing storage log logging register registering registered saved stored) with (correlate correlating correlation correlational associate associating associated correlated associative) with (sensor detector transducer) with (data information output increment) with rotor with (position positional site siting placement angle angular location locale locational))	US-PGPUB; USPAT	OR	ON	2005/03/10 09:26

S137	0	"341"/\$.ccls. and ((save saving store storing storage log logging register registering registered saved stored) with (correlate correlating correlation correlational associate associating associated correlated associative) with (sensor detector transducer) with (data information output increment) with rotor with (position positional site siting placement angle angular location locale locational))	US-PGPUB; USPAT	OR	ON	2005/03/10 09:26
S138	1	"702"/\$.ccls. and ((save saving store storing storage log logging register registering registered saved stored) with (correlate correlating correlation correlational associate associating associated correlated associative) with (sensor detector transducer) with (data information output increment) with rotor with (position positional site siting placement angle angular location locale locational))	US-PGPUB; USPAT	OR	ON	2005/03/10 09:26
S141	3	(((electrically electronically electrical electric electronic) adj (commutated commutating) (switched\$reluctance) brushless) near3 motor) and ((correlate associate correlating associating associated correlated association correlation) with (angle angular) with (position location placement site) with rotor with (revolution rotation cycling revolving) with (sensor detector transducer) with (increment output data))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/10 09:44
S142	12	(((electrically electronically electrical electric electronic) adj (commutated commutating) (switched\$reluctance) brushless) near3 motor) and ((record recording store storing storage save saving) with (sensor transducer detector) with (increment output data) with rotor with (revolution rotation cycling revolving))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/10 13:22
S143	21	(((electrically electronically electrical electric electronic) adj (commutated commutating) (switched\$reluctance) brushless) near3 motor) and ((record recording store storing storage save saving) with (angle angular) with (position location placement site) with rotor with (revolution rotation cycling revolving))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/03/10 10:53

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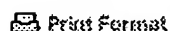
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**16 Design and control considerations for slotless electronically-commutated permanent-magnet servomotors**

*Radulescu, M.M.; Iancu, V.; Biro, K.; Hedesiu, H.;*

Electrotechnical Conference, 1994. Proceedings., 7th Mediterranean , 12-14 April 1994

Pages:1302 - 1305 vol.3

[\[Abstract\]](#)   [\[PDF Full-Text \(272 KB\)\]](#)   IEEE CNF

**17 Investigation into an electronically-commutated DC motor with NdFe permanent magnets**

*Gieras, J.F.; Kileff, I.; Wing, M.;*

Electrotechnical Conference, 1994. Proceedings., 7th Mediterranean , 12-14 April 1994

Pages:845 - 848 vol.2

[\[Abstract\]](#)   [\[PDF Full-Text \(240 KB\)\]](#)   IEEE CNF

**18 Modeling and simulation of an electronically commutated permanent-magnet drive system using SPICE**

*Fardoun, A.A.; Fuchs, E.F.; Huang, H.;*

Industry Applications Society Annual Meeting, 1992., Conference Record of the 1992 IEEE , 4-9 Oct. 1992

Pages:439 - 447 vol.1

[\[Abstract\]](#)   [\[PDF Full-Text \(796 KB\)\]](#)   IEEE CNF

**19 High-speed control of variable reluctance motors with reduced torque ripple**

*Zai, L.-C.R.; Manzer, D.G.; Wong, C.-Y.D.;*

Applied Power Electronics Conference and Exposition, 1992. APEC '92. Conference Proceedings 1992., Seventh Annual , 23-27 Feb. 1992

Pages:107 - 113

[\[Abstract\]](#) [\[PDF Full-Text \(356 KB\)\]](#) IEEE CNF

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**20 Four-quadrant sensorless brushless ECM drive**

*Becerra, R.C.; Jahns, T.M.; Ehsani, M.;*

Applied Power Electronics Conference and Exposition, 1991. APEC '91. Conference Proceedings, 1991., Sixth Annual , 10-15 March 1991

Pages:202 - 209

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**21 Composite control of direct-drive robots**

*Taylor, D.G.;*

Decision and Control, 1989., Proceedings of the 28th IEEE Conference on , 13-15 Dec. 1989

Pages:1670 - 1675 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(440 KB\)\]](#) IEEE CNF

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**22 A DC-AC inverter-induction motor system network model compatible with commonly known network analysis software packages**

*Arkadan, A.A.; Rossillo-Johnson, V.; Demerdash, N.A.;*

Applied Power Electronics Conference and Exposition, 1989. APEC' 89. Conference Proceedings 1989., Fourth Annual IEEE , 13-17 March 1989

Pages:195 - 203

[\[Abstract\]](#) [\[PDF Full-Text \(460 KB\)\]](#) IEEE CNF

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**23 Integrated current regulation for a brushless ECM drive**

*Jahns, T.M.; Becerra, R.C.; Ehsani, M.;*

Applied Power Electronics Conference and Exposition, 1989. APEC' 89. Conference Proceedings 1989., Fourth Annual IEEE , 13-17 March 1989

Pages:81 - 90

[\[Abstract\]](#) [\[PDF Full-Text \(688 KB\)\]](#) IEEE CNF

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**24 Four quadrant brushless ECM drive with integrated current regulation**

*Becerra, R.C.; Ehsani, M.; Jahns, T.;*

Industry Applications Society Annual Meeting, 1989., Conference Record of the 1989 IEEE , 1-5 Oct. 1989

Pages:819 - 828 vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(632 KB\)\]](#) IEEE CNF

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**25 A new electronically-commutated doubly-salient permanent-magnet small motor**

*Radulescu, M.M.; Martis, C.; Biro, K.;*

Electrical Machines and Drives, 1995. Seventh International Conference on (Conf. Publ. No. 412) , 11-13 Sep 1995

Pages:213 - 216

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**26 Torque and EMF ripple reduction in brushless machines**

*Murray, A.;*

Permanent Magnet Machines and Drives, IEE Colloquium on , 5 Feb 1993

Pages:8/1 - 8/4

[\[Abstract\]](#) [\[PDF Full-Text \(188 KB\)\]](#) IEE CNF

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**27 Design ideas for low-inertia high-speed electronically commutated PM motors for special applications**

*Mhango, L.M.C.;*

Variable Speed Drives and Motion Control, IEE Colloquium on , 4 Nov 1992

Pages:9/1 - 9/5

[\[Abstract\]](#) [\[PDF Full-Text \(228 KB\)\]](#) IEE CNF

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**28 Comparative study of slotted and slotless electronically-commutated permanent-magnet DC servomotors**

*Jufer, M.; Radulescu, M.M.;*

Electrical Machines and Drives, 1991. Fifth International Conference on (Conf. Publ. No. 341) , 11-13 Sep 1991

Pages:131 - 135

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**29 Analysis of torque ripple in electronically commutated permanent magnet machines and minimization methods**

*Lajoie-Mazenc, M.; Nogarede, B.; Fagundes, J.C.;*

Electrical Machines and Drives, 1989. Fourth International Conference on (Conf. Publ. No. ??) , 13-15 Sep 1989

Pages:85 - 89

[\[Abstract\]](#) [\[PDF Full-Text \(344 KB\)\]](#) IEE CNF

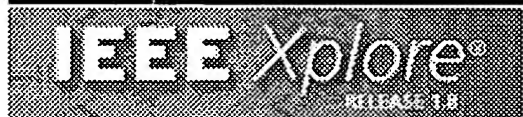
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#### 1 Digital simulation of power conditioner-machine interaction for electronically commutated DC permanent magnet machines

*Nehl, T.; Fouad, F.; Demerdash, N.;*

Magnetics, IEEE Transactions on , Volume: 17 , Issue: 6 , Nov 1981

Pages:3284 - 3286

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#### 2 Achieving a constant power speed range for PM drives

*Slemon, G.R.;*

Industry Applications, IEEE Transactions on , Volume: 31 , Issue: 2 , March-April 1995

Pages:368 - 372

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#### 3 Modeling and simulation of an electronically commutated permanent-magnet machine drive system using SPICE

*Fardoun, A.A.; Fuchs, E.F.; Hao Huang;*

Industry Applications, IEEE Transactions on , Volume: 30 , Issue: 4 , July-Aug. 1994

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#### 4 Commutation of SR motors

*Becerra, R.C.; Ehsani, M.; Miller, T.J.E.;*

Power Electronics, IEEE Transactions on , Volume: 8 , Issue: 3 , July 1993

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[\[Abstract\]](#)   [\[PDF Full-Text \(508 KB\)\]](#)   IEEE JNL

#### 5 Four-quadrant brushless ECM drive with integrated current regulation

*Becerra, R.C.; Ehsani, M.; Jahns, T.M.;*  
Industry Applications, IEEE Transactions on , Volume: 28 , Issue: 4 , July-Aug.  
1992  
Pages:833 - 841

[\[Abstract\]](#)   [\[PDF Full-Text \(776 KB\)\]](#)   IEEE JNL

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**6 Integrated current regulation for a brushless ECM drive**

*Jahns, T.M.; Becerra, R.C.; Ehsani, M.;*  
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**7 The optimal control of a constrained drive system with brushless DC motor**

*Pelczewski, P.M.; Kunz, U.H.;*  
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Pages:342 - 348

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**8 Computation of steady-state performance of an electronically commutated motor**

*Nucera, R.R.; Sudhoff, S.D.; Krause, P.C.;*  
Industry Applications, IEEE Transactions on , Volume: 25 , Issue: 6 , Nov.-Dec.  
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Pages:1110 - 1117

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**9 Theoretical development and experimental verification of a DC-AC electronically rectified load-generator system model compatible with common network analysis software packages**

*Arkadan, A.A.; Hijazi, T.J.; Demerdash, N.A.; Vaidya, J.G.; Maddali, V.K.;*  
Energy Conversion, IEEE Transactions on , Volume: 3 , Issue: 1 , March 1988  
Pages:123 - 131

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**10 Application of EKF to parameter and state estimation of PMSM drive**

*Salvatore, L.; Stasi, S.;*  
Electric Power Applications, IEE Proceedings B [see also IEE Proceedings-Electric Power Applications] , Volume: 139 , Issue: 3 , May 1992  
Pages:155 - 164

[\[Abstract\]](#)   [\[PDF Full-Text \(704 KB\)\]](#)   IEE JNL

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**11 Comparison of two control strategies in development of high-torque electronically commutated drive**

*Low, T.S.; Lim, K.W.; Rahman, M.F.; Binns, K.J.;*  
Electric Power Applications, IEE Proceedings B [see also IEE Proceedings-Electric Power Applications] , Volume: 139 , Issue: 1 , Jan. 1992  
Pages:26 - 36

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**12 Implicit rotor-position sensing using motor windings for a self-commutating permanent-magnet drive system***Binns, K.J.; Shimmin, D.W.; Al-Aubidy, K.M.;*

Electric Power Applications, IEE Proceedings B [see also IEE Proceedings-Electric Power Applications] , Volume: 138 , Issue: 1 , Jan. 1991

Pages:28 - 34

[\[Abstract\]](#)   [\[PDF Full-Text \(528 KB\)\]](#)   IEE JNL

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**13 Automotive power electronics. New challenges for power electronics***Schoner, H.-P.; Hille, P.;*

Power Electronics Specialists Conference, 2000. PESC 00. 2000 IEEE 31st Annual , Volume: 1 , 18-23 June 2000

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**14 Application of rare earth magnets in a micromotor***Agüero, A.; Moyano, R.; Cacace, R.;*

Electric Machines and Drives Conference Record, 1997, IEEE International , 18-21 May 1997

Pages:MB2/7.1 - MB2/7.3

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**15 Prediction of conducted RFI emissions in BLDC motors for automotive applications***Makaran, J.E.; LoVetri, J.;*

Electromagnetic Compatibility, 2001. EMC. 2001 IEEE International Symposium on , Volume: 1 , 13-17 Aug. 2001

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[\[Abstract\]](#)   [\[PDF Full-Text \(456 KB\)\]](#)   IEEE CNF

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